

## CLAIM AMENDMENTS

Please cancel claim 6 without prejudice of disclaimer.

Please amend claims 1, 8, 16, 23, 31, and 35 as follows.

1. (Currently Amended) An optical apparatus, comprising:

[(a)] a tuning etalon positioned in a light beam, the tuning etalon to define a wavelength grid for the optical apparatus;

a tuning element positioned in the light beam, the tuning element to select from among multiple communication channels; and

[(b)] a drive element magnetically coupled to said tuning etalon.

2. (Previously presented) The apparatus of claim 1, further comprising a hermetically sealed enclosure, said tuning etalon positioned within said hermetically sealed enclosure, said drive element located outside said hermetically sealed enclosure.

3. (Previously presented) The apparatus of claim 2, further comprising:

(a) a first magnetic element coupled to said tuning etalon and located within said hermetically sealed enclosure; and

(b) a second magnetic element associated with said drive element and located outside said hermetically sealed enclosure, said first magnetic element magnetically coupled to said second magnetic element through said hermetically sealed enclosure.

4. (Original) The apparatus of claim 1, further comprising a gain medium, said gain medium emitting said light beam.

5. (Previously presented) The apparatus of claim 4, further comprising a reflector positioned in said light beam after said tuning etalon.

6. (Canceled).

7. (Previously presented) The apparatus of claim 5, further comprising a hermetically sealed enclosure, said gain medium, said tuning etalon, and said reflector positioned within said hermetically sealed enclosure, said drive element located outside said hermetically sealed enclosure.

8. (Currently Amended) A laser apparatus, comprising:

[(a)] a gain medium;

[(b)] a tuning etalon positioned in a light beam emitted by said gain medium, the tuning etalon to define a wavelength grid for the optical apparatus;

a tuning element positioned in the light beam, the tuning element to select from among multiple communication channels;

[(c)] a first magnetic element operatively coupled to said tuning etalon; and

[(d)] a second magnetic element magnetically coupled to said first magnetic element and configured to actuate said first magnetic element and said tuning etalon according to actuation of said second magnetic element.

9. (Original) The apparatus of claim 8, further comprising a drive element coupled to said second magnetic element and configured to actuate to said second magnetic element.

10. (Previously presented) The apparatus of claim 8, further comprising a reflector positioned in said light beam after said tuning etalon.

11. (Original) The apparatus of claim 8, further comprising a grid generator positioned in said light beam.

12. (Previously presented) The apparatus of claim 8, further comprising a hermetically sealed enclosure, said gain medium, said tuning etalon and said first magnetic element positioned within said hermetically sealed enclosure, said second magnetic element located outside said hermetically sealed enclosure.

13. (Original) The apparatus of claim 12, further comprising an activated carbon drain positioned within said hermetically sealed enclosure.

14. (Original) The apparatus of claim 12, further comprising a moisture trap positioned within said hermetically sealed enclosure.

15. (Original) The apparatus of claim 12, wherein hermetically sealed enclosure contains an inert atmosphere.

16. (Currently Amended) A laser apparatus, comprising

[(a)] a gain medium emitting a light beam;

[(b)] a tuning etalon positioned in said light beam, the tuning etalon to define a wavelength grid for the optical apparatus;

a tuning element positioned in the light beam, the tuning element to select from among multiple communication channels;

[(c)] a drive assembly magnetically coupled to said tuning etalon; and

[(d)] a hermetically sealed container, said gain medium and said tuning etalon located within said hermetically sealed container, said drive assembly located outside said hermetically sealed container.

17. (Previously presented) The apparatus of claim 16, further comprising;

(a) a first magnetic element coupled to said tuning etalon and located within said hermetically sealed container; and

(b) a second magnetic element associated with said drive assembly and located outside said hermetically sealed container, said first magnetic element magnetically coupled to said second magnetic element through said hermetically sealed container.

18. (Previously presented) The apparatus of claim 16, further comprising a reflector located within said hermetically sealed container and positioned in said beam after said tuning etalon.

19. (Original) The apparatus of claim 18, further comprising a grid generator located within said hermetically sealed container and positioned in said beam.

20. (Original) The apparatus of claim 16, further comprising an activated carbon drain positioned within said hermetically sealed container.

21. (Original) The apparatus of claim 16, further comprising a moisture trap positioned within said hermetically sealed container.

22. (Original) The apparatus of claim 16, wherein hermetically sealed container includes an inert atmosphere therewithin.

23. (Currently Amended) A method for operating a laser, comprising:

- [(a)] positioning a tuning etalon in a light beam;  
defining a wavelength grid for the optical apparatus with the tuning etalon;  
positioning a tuning element in the light beam;  
selecting from among multiple communication channels using the tuning element;
- [(b)] magnetically coupling a drive element to said tuning etalon; and
- [(c)] actuating said tuning etalon via magnetic coupling between said tuning etalon and said drive element.

24. (Previously presented) The method of claim 23, wherein said magnetically coupling comprises:

- (a) coupling a first magnetic element to said tuning etalon;
- (b) coupling a second magnetic element to said drive element; and
- (c) positioning said first and second magnetic elements such that actuation of said second magnetic element by said drive element results in actuation of said first magnetic element and said tuning etalon.

25. (Previously presented) The method of claim 23, further comprising:

- (a) enclosing said tuning etalon in a hermetically sealed container; and
- (b) positioning said drive element outside said hermetically sealed container.

26. (Original) The method of claim 25, wherein said magnetically coupling is carried out through a wall of said hermetically sealed container.

27. (Original) The method of claim 23, further comprising providing a gain medium, said gain medium emitting said light beam.

28. (Previously presented) The method of claim 27, further comprising positioning a reflector positioned in said light beam after said tuning etalon.

29. (Original) The method of claim 27, further comprising positioning a grid generator in said light beam.

30. (Previously presented) The method of claim 28, further comprising:

- (a) enclosing said tuning etalon, said gain medium and said reflector in a hermetically sealed container;
- (b) positioning said drive element outside said hermetically sealed container.

31. (Currently Amended) A method for operating a laser, comprising:

- [(a)] positioning a tuning etalon in a light beam;  
defining a wavelength grid for the optical apparatus with the tuning etalon;  
positioning a tuning element in the light beam;  
selecting from among multiple communication channels using the tuning element;
- [(b)] coupling a first magnetic element to said tuning etalon;
- [(c)] coupling a second magnetic element to a drive element; and
- [(d)] positioning said first and second magnetic elements such that said tuning etalon and said drive element are magnetically coupled to each other.

32. (Previously presented) The method of claim 31, further comprising actuating said tuning element via interaction of said magnetically coupled first and second magnetic elements.

33. (Previously presented) The method of claim 31, further comprising:

- (a) positioning said tuning etalon and said first magnetic element within a hermetically sealed enclosure; and
- (b) positioning said drive element and said second magnetic element outside said hermetically sealed enclosure.

34. (Original) The method of claim 33, further comprising:

- (a) providing a gain medium, said gain medium emitting said light beam;
- (b) positioning a reflector positioned in said light beam after said tuning element; and
- (c) positioning said gain medium and said reflector within said hermetically sealed enclosure.

35. (Currently Amended) An optical apparatus, comprising:

[(a)] means for generating a light beam in the optical apparatus, the optical apparatus having:

a tuning etalon positioned in said light beam, the tuning etalon to define a wavelength grid for the optical apparatus; and

a tuning element positioned in the light beam, the tuning element to select from among multiple communication channels; and

[(b)] means for magnetically actuating a tuning etalon positioned in said light beam.

36. (Previously presented) The apparatus of claim 35, further comprising means for hermetically enclosing said light beam generating means and said tuning etalon.